

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

International Appln. No.: PCT/GB2004/003959

Intl. Filing Date: 16 September 2004

Priority Date: 11 October 2003

First Named Inventor: Bocang QIU

Title: CONTROL OF OUTPUT BEAM DIVERGENCE IN A SEMICONDUCTOR  
WAVEGUIDE DEVICE

Mail Stop PCT  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED  
OFFICE (DO/EO/US) CONCERNING ENTRY INTO THE NATIONAL STAGE UNDER  
35 U.S.C. § 371**

Applicant herewith submits to the DO/EO/US the following items and other information:

1. X This is a FIRST submission of items under 35 U.S.C. §371.
2.    This is a SECOND or SUBSEQUENT submission of items under 35 U.S.C. §371.
3. X This is an express request to begin national examination procedures under 35 U.S.C. §371.
4.    The US has been elected (Article 31).
5. A copy of the International Application, as published under WO 2005/043702 A1 on 12 May 2005:
  - a. X is transmitted herewith.
  - b. X has been communicated by the International Bureau.
  - c.    is not required as the application was filed in the United States Receiving Office (US/RO).

6.  An English language translation of the International Application as filed (35 U.S.C. § 371 (c)(2):  
 is attached hereto.  
 has been previously submitted to obtain Provisional Rights under 35 U.S.C. §154(d)(4).
7. Amendments to the claims of the International Application under PCT Article 19:  
 are attached hereto.  
 have been communicated by the International Bureau.  
 have not been made and will not be made.
8.  An English language translation of the amendments to the claims under PCT Article 19.
9.  A Declaration of the Inventor(s), 35 U.S.C. §371(c)(4).
10.  An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. §371(c)(5)).
11.  An Information Disclosure Statement and Listing of References.
  - a.  Copies of those references which are not US patents or published US patent applications.
12.  An assignment document for recording, including a recordation cover sheet.
13.  A preliminary amendment, to be entered prior to calculating the fees associated with entry into the National Stage under 35 U.S.C. §371.
14.  An Application Data Sheet under 37 CFR §1.76.
15.  A substitute specification.

16.  A power of attorney  
a.  as including a certification of assignee under 37 CFR § 3.73(b).

17.  Applicant claims priority to Great Britain Application No. GB 0323905.0 filed 11 October 2003.

A certified copy of this application has been furnished to the International Bureau.

18.  Applicant asserts Small Entity Status for the purposes of prosecuting this patent application.

19.  Other:

Please direct all correspondence with respect to this Application to

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